

AMENDMENTS TO THE CLAIMS

Please amend the claims as they currently stand so that they are in accord with the following listing of the claims:

1. (currently amended) A corneal contact lens comprising:
a lens body having anterior and posterior surfaces, wherein the posterior surface comprises a central zone having at least a first curvature, and at least one first annular zone located around said central zone, said first annular zone having at least a second curvature, ~~each of said first and second curvatures having an axis of revolution, wherein the axes are not coaxial.~~ wherein said second curvature is not coaxial with said first curvature.
2. (previously presented) The contact lens according to claim 1, wherein said first annular zone is adjacent the central zone and the second curvature of said first annular zone is flatter than said first curvature of said central zone.
3. (cancelled)
4. (previously presented) The contact lens according to claim 1, further comprising at least one second annular zone located around said first annular zone.
5. (original) The contact lens according to claim 1, wherein said central zone has a radius of curvature and said first annular zone has a radius of curvature, wherein said central zone radius of curvature is greater than said first annular zone radius of curvature.
6. (currently amended) A corneal contact lens comprising:
a lens body having anterior and posterior surfaces, wherein the posterior surface comprises a central curve having at least a first curvature, and a central curve axis; and

at least a first annular curve located around said central curve, said first annular curve having a second curvature, and an annular curve axis, wherein the axis of said central curve is distinct from the axis of said annular curve.

7. (cancelled)

8. (previously presented) The contact lens according to claim 4, wherein the central zone and the second annular zone each are defined at least in part by a radius of curvature, wherein the radius of curvature of the second annular zone is equal to or greater than the radius of curvature of the central zone.

9. (previously presented) The contact lens as recited in claim 1, wherein the central zone comprises a curvature selected from the group consisting of spherical, aspherical, toric, combined spherical and aspherical curves or combinations thereof.

10. (previously presented) The contact lens as recited in claim 1, wherein the first annular zone comprises a curvature selected from the group consisting of spherical, aspherical, toric, combined spherical and aspherical curves or combinations thereof.

11. (previously presented) The contact lens as recited in claim 1, wherein the at least first annular zone is comprised of a combination of a plurality of zones.

12. (previously presented) The contact lens as recited in claim 11, wherein the plurality of zones comprise multiple annular zones.

13. (cancelled)

14. (previously presented) The contact lens according to claim 1, further comprising at least one peripheral zone located around said at least one first annular zone.

15. (currently amended) The contact lens as recited in claim 14, wherein ~~[[the]]~~an axis of the curvature of the at least one peripheral zone is not coaxial with ~~[[the]]~~an axis of the curvature of the central zone and/or ~~[[the]]~~an axis of the curvature of the at least one first annular zone.

16. (previously presented) The contact lens as recited in claim 14, wherein the central zone and the peripheral zone are defined at least in part by a radius of curvature, and the radius of curvature of the peripheral zone is greater than the radius of curvature of the central zone.

17. (previously presented) The contact lens as recited in claim 1, wherein each zone is made of different lens material.

18. (currently amended) The contact lens as recited in claim 1, wherein the first curvature of the central zone is selected to cause reshaping of ~~[[the]]~~a cornea of ~~[[the]]~~a patient.

19. (previously presented) The contact lens as recited in claim 1, wherein the contact lens may be machined from a single piece of plastic.

20. (currently amended) The contact lens as recited in claim 1, wherein ~~[[the]]~~a thickness of the central zone and at least the first annular zone are not consistent.

21. (previously presented) A method for designing a contact lens comprising the steps of:

obtaining information relating to the characteristics of a person's eye,
providing a lens body having a posterior and anterior surface, wherein the posterior surface is designed by selecting a first curvature for a central zone of a contact lens based on the characteristics;

selecting a third curvature for a peripheral zone of the contact lens based on the characteristics;

selecting a second curvature for independently connecting the curvature of the first and third curvatures, whereby the second curvature is flatter than the first curvature, and where the

axis of the curvature of at least one of the first, second, and third curvatures are not coaxial with one another; and

fitting the lens to the person.

22. (new) A corneal contact lens comprising:

a lens body having anterior and posterior surfaces, wherein the posterior surface comprises a central zone having a central base curve defined, at least in part, by a central axis extending along a first radius of curvature between a first origin and a first apex on said central base curve; and

at least one annular zone located around said central zone, said annular zone having an annular curve defined, at least in part, by a second curvature extending between a second origin and a second apex on said annular curve, and wherein said second origin does not fall on said central axis.

23. (new) A corneal contact lens as recited in claim 22, wherein said second radius of curvature is longer than said first radius of curvature.